

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004775

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/16 A61K39/106 A61K39/40 G01N33/50 A61P 31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/087145 A (AFFINIUM PHARMACEUTICALS, INC) 23 October 2003 (2003-10-23) page 29, line 26 - line 28 page 37, line 15 - line 32 page 88, line 8 - line 18 page 108, line 13 - line 15 page 111, line 15 - line 19	1-8, 15-25, 27-30, 36, 37, 39
X	WO 02/102370 A (UNISEARCH LIMITED) 27 December 2002 (2002-12-27) page 9, line 9 - page 10, line 30 page 24, line 21 - page 25, line 31 page 28, line 18 - line 27 page 32, line 25 - line 36 -/-	1-6, 22-30, 37

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

8 March 2005

Date of mailing of the international search report

18/03/2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

PCT/GB2004/004775

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of Item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - ☒ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☒ in written format
 - ☒ in computer readable form
 - c. time of filing/furnishing
 - ☐ contained in the international application as filed
 - ☐ filed together with the international application in computer readable form
 - ☒ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/004775

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
As far as claims 1-18,22,31,32,37 and 38 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004775

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DEVINE J H ET AL: "Nucleotide sequence of the luxR and luxI genes and structure of the primary regulatory region of the lux regulon of <i>Vibrio fischeri</i> ATCC 7744" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 27, 1988, pages 837-842, XP002152246 ISSN: 0006-2960 the whole document	36,39
X	BURGESS NICOLA A ET AL: "LuxS-dependent quorum sensing in <i>Porphyromonas gingivalis</i> modulates protease and haemagglutinin activities but is not essential for virulence" MICROBIOLOGY (READING), vol. 148, no. 3, March 2002 (2002-03), pages 763-772, XP002320058 ISSN: 1350-0872 page 768, column 1, paragraph 3 - page 769, column 1, paragraph 3	1-11, 13-37,39
A	KOLIBACHUK D ET AL: "THE VIBRIO FISCHERI LUMINESCENCE GENE ACTIVATOR LUXR IS A MEMBRANE-ASSOCIATED PROTEIN" JOURNAL OF BACTERIOLOGY, WASHINGTON, DC, US, vol. 175, no. 22, November 1993 (1993-11), pages 7307-7312, XP008043542 ISSN: 0021-9193 page 7310, column 2, paragraph 5 - page 7311, column 1, paragraph 1	

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/004775

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03087145	A	23-10-2003	AU	2003213951 A1		27-10-2003
			WO	03087145 A2		23-10-2003
WO 02102370	A	27-12-2002	WO	02102370 A1		27-12-2002
			US	2004147595 A1		29-07-2004